Practitioner's Docke



PATENT



Preliminary Classification:

Proposed Class:

Subclass:

*All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand comer of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P. § 601, 7th ed.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filling is the patent application of

Jukka KINNUNEN, Jussi NUMMINEN, Markku LINTINEN, Esa NOKKONEN, Juha SAVOLAINEN, Inventor(s):

Pekka JOKITALO

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the Inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title): METHOD AND APPARATUS FOR MEASURING AND OPTIMISING THE QUALITY OF

DATA TRANSMISSION

CERTIFICATION UNDER 37 C.F.R. § 1.10* (Express Mail label number is mandatory.)

(Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date March 29, 2000, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number _EL336863567US dressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

June Adams

print name of person, mailing paper)

Signature of person mailing paper

WARNING: Certificate of mailing (first class) or face/mile transmission procedures of 37 C.F.R. § 1.8 cannot be

used to obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of rensonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(New Application Transmittal [4-1]-page 1 of 11)

1. Type of Application

This new application is for a(n)

(check one applicable Item below)

X	Original (nonprovisional)
	Design
	☐ Plant
WARNING	Do not use this transmittal for a completion in the U.S. of an international Application under 35 U.S.C. § 371(c)(4), unless the international Application is being filed as a divisional, continuation or continuation-in-part application.
WARNING	: Do not use this transmittal for the filing of a provisional application.
Τ.	one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION RANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION I PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.
	Divisional.
	Continuation.
	Continuation-in-part (C-I-P).

2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an Invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paregraph of 35 U.S.C. § 112. Each prior application must also be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or
 - (ii) Complete as set forth in § 1.51(b); or
- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an international Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-l-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(New Application Transmittal [4-1]—page 2 of 11)

WARNING	ho pr	Then the last compendency of a provisional application falls on a Supply, Sunday, or Federal coliday within its district of Columbia, any nonprovisional application maintained benefit of the rovisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the istrict of Columbia. See 37 C.F.R. § 1.78(a)(3).
	tion	e new application being transmitted claims the benefit of prior U.S. application. Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL IERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
3. Paper	13 B	nclosed
		d for filling date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 Application
27 P	ages	of specification
6_ P	ages	s of claims
s	heet	s of drawing .
WARNING	fill sn dr th Fo	O NOT submit original drawings. A high quality copy of the drawings should be supplied when ing a patent application. The drawings that are submitted to the Office must be on strong, white, mooth, and non-shiny paper and meet the standards recording to § 1.84. If corrections to the awings are necessary, they should be made to the original drawing and a high-quality copy of a corrected original drawing then submitted to the Office. Only one copy is required or desired, or comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 7-62).
in ti o	vento e Offi n the	fying indicia, if provided, should include the application number or the title of the invention, or's name, docket number (if any), and the name and telephone number of a person to call if ice is unable to match the drawings to the proper application. This information should be placed back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top page" 37 C.F.R. § 1.84(c)).
		(complete the following, if applicable)
	"PE	e enclosed drawing(s) are photograph(s), and there is also attached a ETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R84(b).
	for	mal
	Info	ormal
B. Oth	er P	apers Enclosed
_		of declaration and power of attorney
P	ages	of abstract
	ther	
		papers enclosed
		endment to claims
		Cancel in this applications claims before calculating the filling fee. (At least one original independent claim must be retained for filling purposes.)
		Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
	Pre	liminary Amendment
	Info	ormation Disclosure Statement (37 C.F.R. § 1.98)
	For	m PTO-1449 (PTO/SB/08A and 08B)
	Cit	ations
		(Nov. Application Tonomittal Ed. 43, many 2 of 14)

	J	Declaration of Biological Deposit	
C	כ	Submission of "Sequence Listing," computer readable copy and/or amen pertaining thereto for biotechnology invention containing nucleotide amino acid sequence.	dment and/or
. [)	Authorization of Attomey(s) to Accept and Follow Instructions from Repre	senta-
C)	Special Comments	
	כ	Other	
5. Dec	lar	ation or oath (including power of attorney)	
NOTE:	the by the be de	newly executed declaration is not required in a continuation or divisional application provide prior nonprovisional application contained a declaration as required, the application being all or fewer than all the inventors named in the prior application, there is no new matter oblication being filed, and a copy of the executed declaration filed in the prior application (signature or an indication thereon that it was signed) is submitted. The copy must be accorded a statement requesting deletion of the names of person(s) who are not inventors of the application filed. If the declaration in the prior application was filed under § 1.47, then a copy of the decision granting § 1.47 status or, if a not son under § 1.47 has subsequently joined in a prior application, then a copy of the subsecuted declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)–(3).	o filed is ar in the showing mpanied plication of that nsigning
NOTE:	ab co	leclaration filed to complete an application must be executed, identify the specification to irected, identify each inventor by full name including family name and at least one given name, veviation together with any other given name or initial, and the residence, post office addi- intry or citizenship of each inventor, and state whether the inventor is a sole or joint inventer. § 1.63(a)(1)-(4).	without
C)	Enclosed	
		Executed by	
		(check all applicable boxes)	
•		inventor(s).	
		legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.	
	i	joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.	
		This is the petition required by 37 C.F.R. § 1.47 and the state required by 37 C.F.R. § 1.47 is also attached. See item 13 for fee.	ement below
₩	j	Not Enclosed.	
NOTE:	ma _.	ore the filing is a completion in the U.S. of an International Application or where the compleU.S. application contains subject matter in addition to the International Application, the application contains subject matter in addition to the International Application, the application or continuation-in-part, as the case may be, utilizing ADDEC INTERNATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CL	lication PAGE
	1	Application is made by a person authorized under 37 C.F.R. § 1.41 behalf of all the above named inventor(s).	(c) on
(The	ded	laration or oath, along with the surcharge required by 37 C.F.R. § 1.16 can be filed subsequently).	(0)
		Showing that the filing is authorized. (not required unless called into question, 37 C.F.R. § 1.41(d))
		(New Application Transmittal [4-1]—page 4	of 11)

		2	
:	i	=	
:	=		
::::	=	į	
:	=	-	
:	* * * * * * * *	=	
:	:	-	
	2		
:	ž		
	=	=	
	=	٤	
	:		
:	<u>.</u>	=	
:	=	=	
:	:	=	

. Inven	orship Statement
WARNING	: If the named inventors are each not the inventors of all the claims an explanation, including th ownership of the various claims at the time the last claimed invention was made, should b submitted.
The inv	entorship for all the claims in this application are:
	The same.
	or
	Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
	is submitted.
	will be submitted.
'. Langı	age
A	n application including a signed oath or declaration may be filed in a language other than English Tenglish translation of the non-English language application and the processing fee of \$130.0 quired by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as ma To set by the Office. 37 C.F.R. § 1.52(d).
Œ	English
	Non-English
	The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).
. Assig	nment
K Z8	An assignment of the Invention to Nokia Mobile Phones Ltd.
	is attached. A separate in "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or in FORM PTG 1595 is also attached.
	will follow.
NOTE.	I an enganment is submitted with a new application, and two separate letters and for the confication

NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING: A newly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

(New Application Transmittal [4-1]-page 5 of 11)

B.

Design application

C.

Plant application

(\$310.00—37 C.F.R. § 1.16(f))

(\$480.00-37 C.F.R. § 1.16(g))

Filing Fee Calculation

O Contident Course		1	
9. Certified Copy	.41 4.3		
Certified copy(les) of applica			20 March 1000
	990690	·	29 March 1999
Country Finland	Appin. No. 991062		Filed 7 May 1999
Country			
Finland	Appln. No. 991594		Filed 12 July 1999
Country	Appln. No.		Filed
from which priority is claimed			1 1100
☐ Is (are) attached.			·
☑ will follow.			
NOTE: The foreign application form declaration. 37 C.F.R. § 1.5	ning the basis for the claim	for priority must b	e referred to in the oath o
§ 120 is itself entitled to price PAGES FOR NEW APPLICA CLAIMED.	onal Application from which to ority from a prior foreign app ATION TRANSMITTAL WHEF	lication, then comp	plete Item 18 on the ADDEI
10. Fee Calculation (37 C.F.	R. § 1.16)		
A. 🛭 Regular application			
	OLANAO AO EU ES	· · · · · · · · · · · · · · · · · · ·	
	CLAIMS AS FILED	·	
Number filed	Number Extra	Rate	Basic Fee 37 C.F.R. § 1.16(a) \$ 690.00
Total			
Claims (37 C.F.R. § 1.16(c)) 30 - 2	20 = ¹⁰ ×	\$ 18.00	180.00
Independent			
Claims (37 C.F.R. § 1.16(b)) 5	3 = ² ×	\$ 78.00	156.00
Multiple dependent claim(s), if any (37 C.F.R. § 1.16(d))	+	\$260.00 [†]	
☐ Amendment cancelli	ing extra claims is enc	losed	
	g multiple-dependencie		
	Is not being paid at t		
NOTE: If the fees for extra claims are prior to the expiration of the notice of fee deficiency. 37	not paid on filing they must be time period set for respons	e paid or the claim	ns cancelled by amendment, nd Trademark Office In any
	iling Fee Calculation		\$ 1.026.00

Filling fee calculation \$_____

11. 311	nail Entity Statement(s)
C	Statement(s) that this is a filing by a small entity under 37 C.F.R. § 1.9 and 1.27 is (are) attached.
WARNII	the status is available and desired. Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. The refiling of an application under § 1.53 as a continuation, division, or continuation-in-part (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application requires a new determination as to continued entitlement to small entity status for the continuing or reissue application. A nonprovisional application claiming benefit under 35 U.S.C. § 119(e), 120, 121, or 365(c) of a prior application, or a reissue application may rely on a statement filed in the prior application or in the patent if the nonprovisional application or the reissue application includes a reference to the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the small entity basic statutory filing fee will be treated as such a reference for purposes of this section." 37 C.F.R. § 1.28(a)(2).
WARNII	NG: "Small entity status must not be established when the person or persons signing the statement can unequivocally make the required self-certification." M.P.E.P., § 509.03, 6th ed., rev. 2, July 1996 (emphasis added).
	(complete the following, if applicable)
	Status as a small entity was claimed in prior application
	/, filed on, from which benefit
	is being claimed for this application under:
	35 U.S.C. § 🔲 119(e),
	□ 120, □ 121,
	☐ 365(c),
	and which status as a small entity is still proper and desired.
•	☐ A copy of the statement in the prior application is included.
	Filing Fee Calculation (50% of A, B or C above)
	\$
	Any excess of the full fee paid will be refunded if small entitly status is established and a refund request are filed within 2 months of the date of timely payment of a full fee. The two-month period is not extendable under § 1.136. 37 C.F.R. § 1.28(a).
2. Rec	quest for International-Type Search (37 C.F.R. § 1.104(d))
	(complete, if applicable)
	Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

(New Application Transmittal [4-1]—page 7 of 11)

3. Fee F	Payn	nent Being Made at This Time				
	Not	Enclosed				
		No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § subsequently.)	1. 1	l 6(ө)	can be p	aid
	Enci	losed				
	C	Filing fee		\$.	1,026.00	
		Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)		\$.		
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))		\$.		
		For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))		\$.		
		Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))		\$.		
		Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))		\$.	···	
fail 37 eiti	ling to C.F.I her th	R. § 1.21(I) establishes a fee for processing and retaining any apple to complete the application pursuant to 37 C.F.R. § 1.53(I) and thi R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefite basic filing fee must be paid, or the processing and retention for year from notification under § 53(I).	s, as fit of t	well a: a prior	the change U.S. applica	es to tion,
		Total fees enclosed	\$_	1,02	5.00	
		of Payment of Fees				
	Che	ck in the amount of \$ 1,026.00				
		arge Account No.	in	the	amount	of
	\$ A d	uplicate of this transmittal is attached.				
		ould be itemized in such a manner that it is clear for which purpose	e the	fees ar	e paid. 37 C	.F.R.

15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 16-1350
 - 37 C.F.R. § 1.16(a), (f) or (g) (filing fees)
 - 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims)
- NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.
 - 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
 - M 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)).
 - ☐ 37 C.F.R. § 1.17 (application processing fees)
- NOTE: "... A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).
 - 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))
- NOTE: Where an authorization to charge the Issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the Issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).
- NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . the issue fee. . . " From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

(New Application Transmittal [4-1]-page 9 of 11)

16. Instructions as to Overpayment

NOTE: ". . . Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

	Credit	Account	No.	16-1350	
--	--------	---------	-----	---------	--

□ Refund

SEND ALL CORRESPONDENCE TO:

Reg. No. 24,622

Tel. No. (203) 259-1800

Customer No.

SIGNATURE OF PRACTITIONER

Clarence A. Green

(type or print name of attorney)

PERMAN & GREEN, LLP

P.O. Address

425 Post Road, Fairfield, Connecticut 06430

(New Application Transmittal [4-1]—page 10 of 11)

	Incon	poration by reference of added pages
l	pr sta th	heck the following item if the application in this transmittal claims the benefit of rior U.S. application(s) (including an international application entering the U.S. age as a continuation, divisional or C-I-P application) and complete and attach a ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF RIOR U.S. APPLICATION(S) CLAIMED)
		Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed
		Number of pages added
:		Plus Added Pages for Papers Referred to In Item 4 Above
		Number of pages added
		Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.
		Number of pages added
		Plus "Assignment Cover Letter Accompanying New Application"
		Number of pages added
X	State	ment Where No Further Pages Added
		no further pages form a part of this Transmittal, then end this Transmittal with its page and check the following item)
	X	This transmittal ends with this page.

(New Application Transmittal [4-1]-page 11 of 11)